# EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------|-----|------------------|---------|------------|
| L1 | 33708 | special$4 near2 effect $4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 10:52 |
| L2 | 1422 | special$4 near2 effect $4 same synthe$7 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 10:55 |
| L3 | 452 | special$4 near2 effect $4 same synthe$7 and (cod$5 decod$4 encod $5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 10:56 |
| L4 | 4 | special$4 near2 effect $4 same synthe$7 and (cod$5 decod$4 encod $5) and (separat$4 different$7) near2 (vocal$4 voic$4) with (music$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 10:58 |
| L5 | 1 | special$4 near2 effect $4 same synthe$7 and (cod$5 decod$4 encod $5) and (separat$4 different$7) near2 (vocal$4 voic$4) with (music$4) and (FFT$4 or (fast$4 near2 fourier $4 near2 transform $4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 11:04 |
| L6 | 4 | special$4 near2 effect $4 same synthe$7 and (cod$5 decod$4 encod $5) and (vocal$4 voic $4) with (music$4) and (FFT$4 or (fast$4 near2 fourier$4 near2 transform$4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 11:07 |

| L7 | 1089 | (determin$4 near2 parameter$4) and envelop$4 and (fundamental$4 or pitch$4) and (FFT$4 or (fast$4 near2 fourier$4 transform$4)) and (frequen$7 near2 domain$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 11:12 |
|----|------|-----------|------|------|------|------|
| L8 | 1 | (determin$4 near2 parameter$4) and envelop$4 and (fundamental$4 or pitch$4) and (FFT$4 or (fast$4 near2 fourier$4 transform$4)) and (frequen$7 near2 domain$4) and ((invers $4 near2 (vary variation $4)) with (pitch$4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 11:13 |
| L9 | 60 | (determin$4 near2 parameter$4) and envelop$4 and (fundamental$4 or pitch$4) and (FFT$4 or (fast$4 near2 fourier$4 transform$4)) and (frequen$7 near2 domain$4) and (invers $4 near2 (vary variation $4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 11:14 |
| L10 | 2 | (determin$4 near2 parameter$4) and envelop$4 and (fundamental$4 or pitch$4) and (FFT$4 or (fast$4 near2 fourier$4 transform$4)) and (frequen$7 near2 domain$4) and (invers $4 near2 (vary variation $4)) and ((special$4 sound$4) near2 effect $5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 11:14 |
| L11 | 1 | (sound$4 special$4) near2 effect$4 same synthe$7 and (cod$5 decod$4 encod$5) and (separat$4 different$7) near2 (vocals$4 voic$4) with (music$4) and (FFT$4 or (fast$4 near2 fourier$4 near2 transform$4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 11:17 |

| L12 | 246836 | (special$4 effect$4).ti. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 11:20 |
|-----|--------|--------------------------|---------|-----|-----|------------|
| L13 | 1 | (special$4 near2 effect $4).ti. and (determin$4 near2 parameter$4) and envelop$4 and (fundamental$4 or pitch$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 11:21 |
| L14 | 28 | (special$4 near2 effect $4).ti. and (determin$4 near2 parameter$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 11:21 |
| L15 | 53 | ((sound$4 special$4) near2 effect$4).ti. and (determin$4 near2 parameter$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 11:22 |
| L16 | 4 | ((sound$4 special$4) near2 effect$4).ti. and (determin$4 near2 parameter$4) and envelop$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 11:22 |
| L17 | 1 | ((sound$4 special$4) near2 effect$4).ti. and (determin$4 near2 parameter$4) and envelop$4 and (speech $4 voic$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 11:33 |
| L18 | 1 | ((sound$4 special$4) near2 effect$4).ti. and (determin$4 near2 parameter$4) and envelop$4 and (speech $4 voic$4 vocal$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 11:33 |
| L19 | 61314 | ((sound$4 special$4) near2 effect$4).ti. and (determin$4 near2 parameter$4) (speech $4 voic$4 vocal$4) and (fundamental$4 or pitch$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 11:34 |

| L20 | 6 | ((sound$4 special$4) near2 effect$4).ti. and (determin$4 near2 parameter$4) and (speech$4 voic$4 vocal $4) and (fundamental $4 or pitch$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 11:34 |
|-----|---|---|---|---|---|---|
| L21 | 3 | ((sound$4 special$4) near2 effect$4).ti. and (determin$4 near2 parameter$4) and (speech$4 voic$4 vocal $4) and (FFT$4 or (fast $4 near2 fourier$4 transform$4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 11:38 |
| L22 | 1 | ((sound$4 special$4) near2 effect$4).ti. and (determin$4 near2 parameter$4) and (speech$4 voic$4 vocal $4) and (invers$4 near2 (vary variation $4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 11:39 |
| L23 | 140 | ((sound$4 special$4 music$4) near2 effect $4).ti. and (speech$4 voic$4 vocal$4) and music$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 11:39 |
| L24 | 1 | (determin$4 near2 parameter$4) and envelop$4 and (fundamental$4 or pitch$4) and (FFT$4 or (fast$4 near2 fourier$4 transform$4)) and (frequen$7 near2 domain$4) and (invers $4 near2 (vary variation $4)) and music$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 12:20 |
| L25 | 12083 | super$4impos$8 with nois$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 12:39 |
| L26 | 1052 | super$4impos$8 with nois$4 and envelop$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 12:39 |

| L27 | 12 | super$4impos$8 with nois$4 and envelop$4 and (sum$5 add$4) near2 sine$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 12:40 |
|-----|------|-------------------------------------------------------------------------|------------------------------------------------------------|----|-----|------------------|
| L28 | 2256 | (different$7 separat$6) with (vocal$4 voic$4 speech$4) with music $4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 12:51 |
| L29 | 103 | (different$7 separat$6) with (vocal$4 voic$4 speech$4) with music $4 and nois$4 near2 filter$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 12:51 |
| L30 | 32 | (different$7 separat$6) with (vocal$4 voic$4 speech$4) with music $4 and nois$4 near2 filter$5 and (music$4 sound$4 special$4) near2 effect$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 12:52 |
| L31 | 4 | "0159766" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 13:21 |
| L32 | 2 | "20070106503".did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 13:26 |
| L33 | 2 | "6205422".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 13:29 |
| L34 | 2 | "20020184009".did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 13:54 |

| L35 | 1 | "20020184009".did. and envelop$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 13:54 |
|-----|---|---|---|---|---|---|
| L36 | 2 | "20020184009".did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 14:17 |
| L37 | 2 | "20020184009".did. and (cod$4 decod$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 14:18 |
| L38 | 1 | "20020184009".did. and filter$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 14:22 |
| L39 | 0 | "20020184009".did. and envelop | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 14:26 |
| L40 | 1 | "20020184009".did. and envelop$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 14:26 |
| L41 | 2 | "20060130637".did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 14:27 |
| L42 | 1 | "20060130637".did. and superimpos$8 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 14:27 |

| L43 | 2 | "20020184009".did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 14:46 |
|-----|---|---|---|---|---|---|
| L44 | 1 | "20020184009".did. and phas$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 14:46 |
| L45 | 73502 | (special$4 music$4 sound$4) near2 effect $4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 15:26 |
| L46 | 3127 | (special$4 music$4 sound$4) near2 effect $4 same synthe$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 15:26 |
| L47 | 380773 | (special$4 music$4 sound$4) near2 effect $4 same synthe$6 abd super$4impos$7 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 15:27 |
| L48 | 340 | (special$4 music$4 sound$4) near2 effect $4 same synthe$6 and super$4impos$7 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 15:27 |
| L49 | 9 | (special$4 music$4 sound$4) near2 effect $4 same synthe$6 and super$4impos$7 with nois$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 15:27 |
| L50 | 2 | "20060130637".did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 15:36 |

| L51 | 2 | "20060130637".did. and special$4 near2 effect$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 15:37 |
| L52 | 43 | ((nois$4 near2 filter$4) or (special$4 music$4 sound$4) near2 effect $4) same synthe$6 and super$4impos$7 with nois$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 15:42 |
| L53 | 43 | ((nois$4 near2 filter$4) or (special$4 music$4 sound$4) near2 effect $4) same synthe$6 near4 "without" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 16:22 |
| L54 | 2 | "20020184009".did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 16:30 |
| L55 | 1 | "20020184009".did. and synthe$7 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 16:30 |
| L56 | 1288 | (special$4 music$4 sound$4) near2 effect $4 with synthes$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 16:35 |
| L57 | 2 | (special$4 music$4 sound$4) near2 effect $4 with pass$3 near2 synthes$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 16:36 |
| L58 | 613 | (special$4 music$4 sound$4) near2 effect $4 near3 synthes$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 16:40 |

| L59 | 275 | (special$4 music$4 sound$4) near2 effect $4 near3 synthes$6 and music$4 and (speech$4 voic$4 vocal $4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 16:42 |
|---|---|---|---|---|---|---|
| L60 | 10900203 | (special$4 music$4 sound$4) near2 effect $4 near3 synthes$6 and music$4 with (speech$4 voic$4 vocal $4) elth (distinguish$4 differen$7 separat$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 16:44 |
| L61 | 9 | (special$4 music$4 sound$4) near2 effect $4 near3 synthes$6 and music$4 with (speech$4 voic$4 vocal $4) with (distinguish$4 differen$7 separat$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 16:44 |
| L62 | 1 | "20020184009".did. | US-PGPUB; USPAT | OR | OFF | 2009/08/16 17:36 |
| L63 | 1 | "20060130637".did. | US-PGPUB; USPAT | OR | OFF | 2009/08/16 17:36 |
| L64 | 1 | "4201105".pn. | US-PGPUB; USPAT | OR | OFF | 2009/08/16 18:13 |
| L65 | 1 | "4201105".pn. and super$4impos$4 | US-PGPUB; USPAT | OR | OFF | 2009/08/16 18:13 |
| L66 | 10288 | super$4impos$7 near2 nois$4 music$4 with (speech$4 voic$4 vocal $4) with (distinguish$4 differen$7 separat$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 18:38 |
| L67 | 11 | super$4impos$7 near2 nois$4 and music$4 with (speech$4 voic$4 vocal$4) with (distinguish$4 differen $7 separat$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/16 18:38 |
| S1 | 4 | "0159766" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/14 07:08 |
| S2 | 2 | "20020175009".did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/14 07:13 |

| S3 | 2 | "20020184009".did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/14 07:13 |
| S4 | 2 | "5684262".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/14 07:14 |

**8/16/09 7:00:09 PM**
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